

FIG. 1

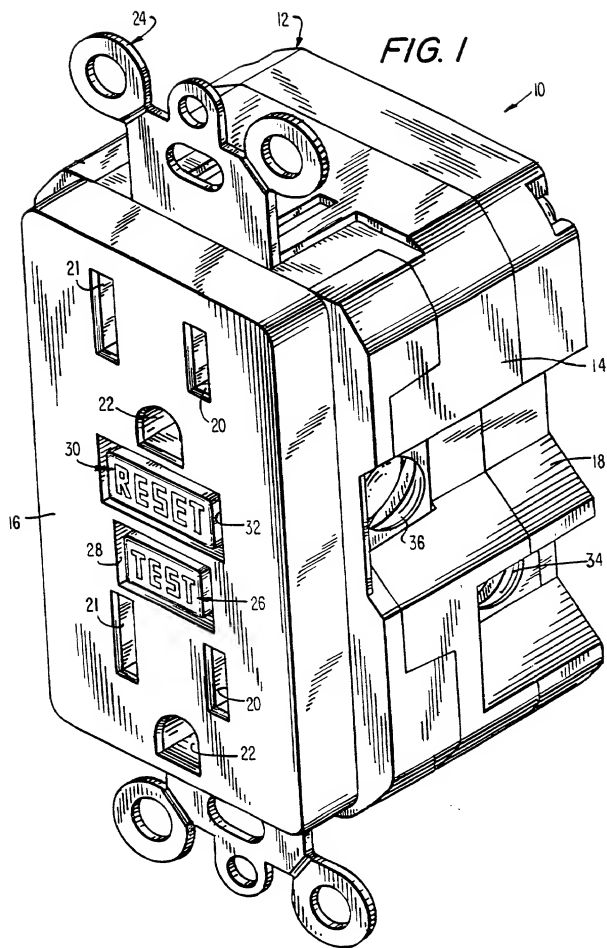


FIG. 2

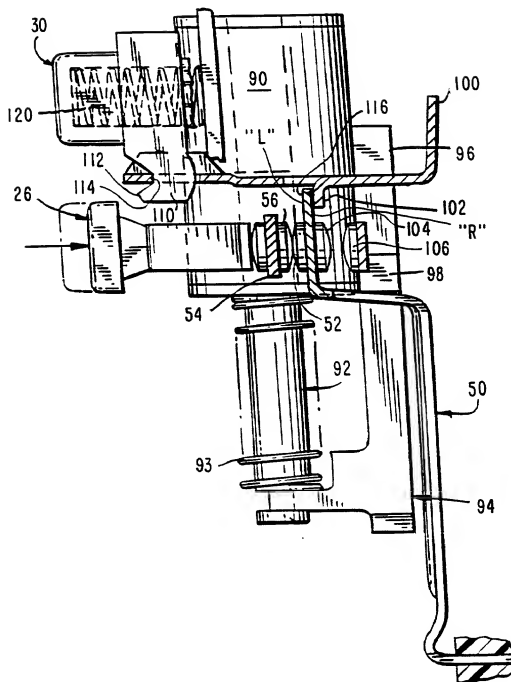


FIG. 3

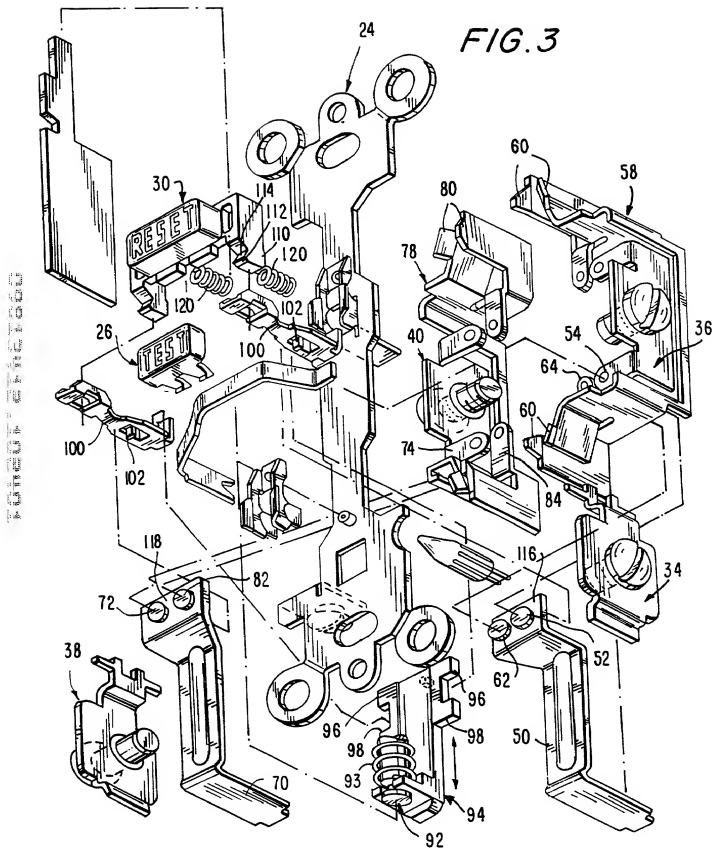


FIG. 4

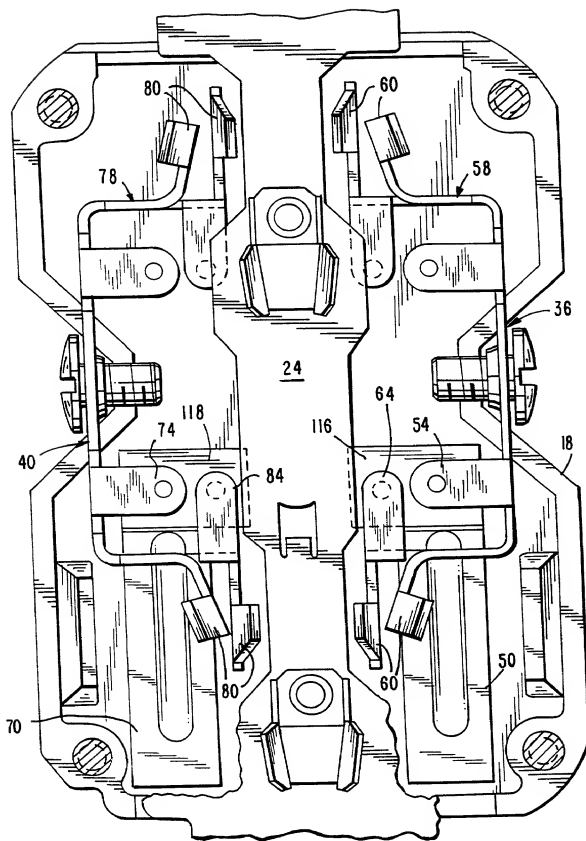


FIG. 5

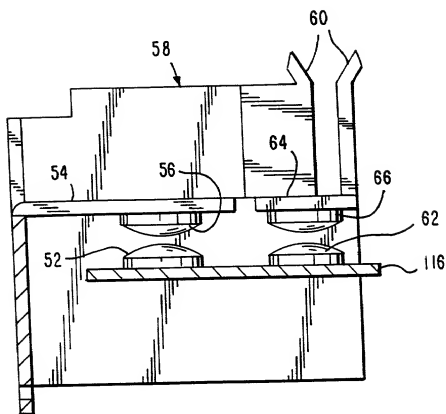


FIG. 6

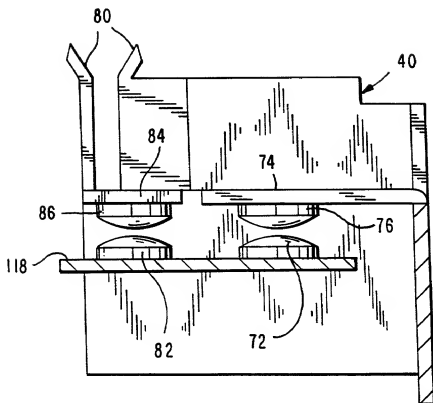


FIG. 7

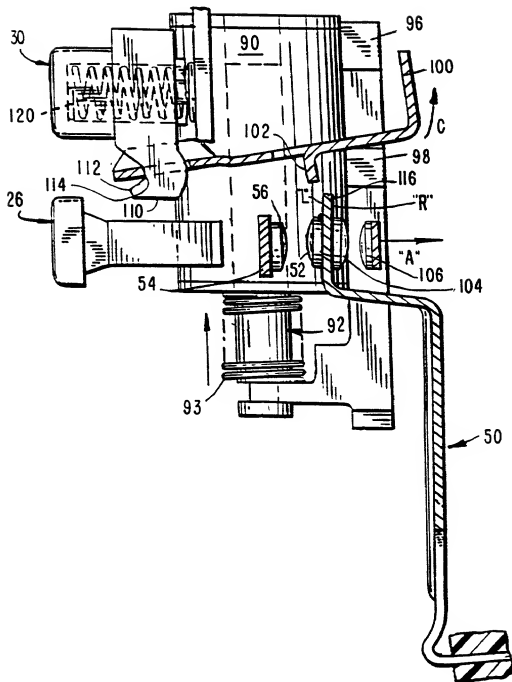
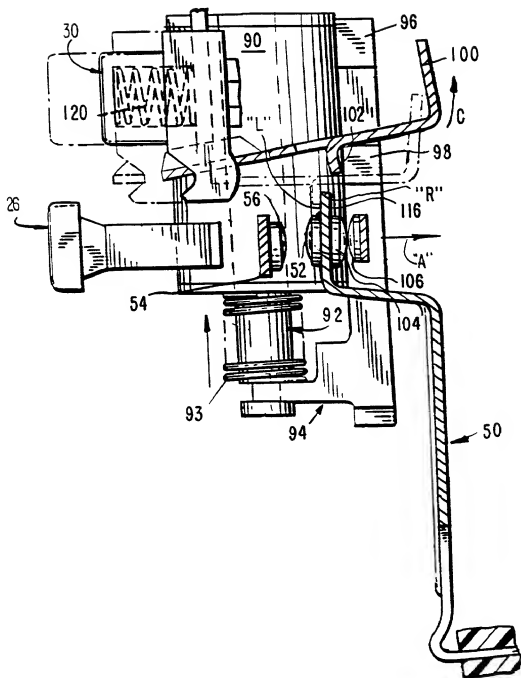
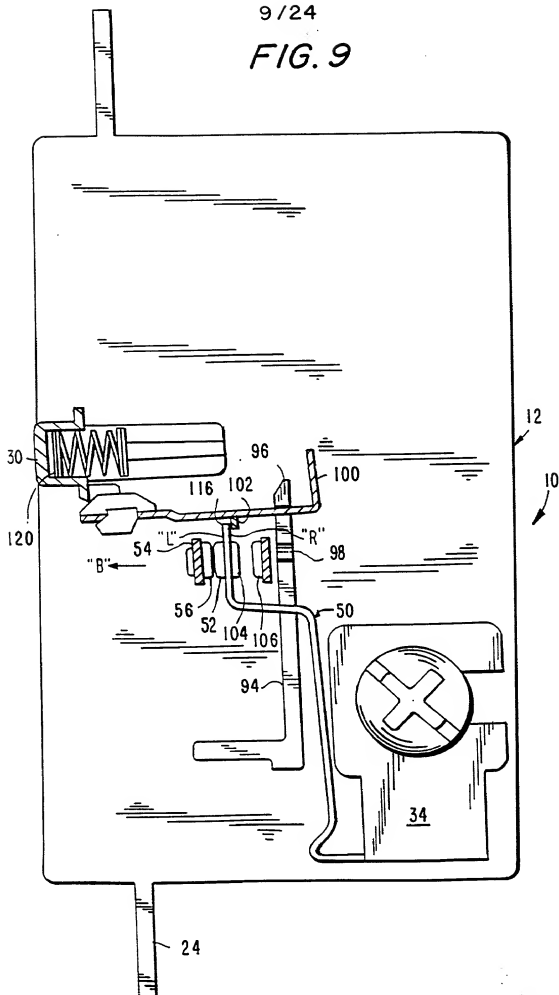


FIG. 8



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FIG. 9



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FIG. 10

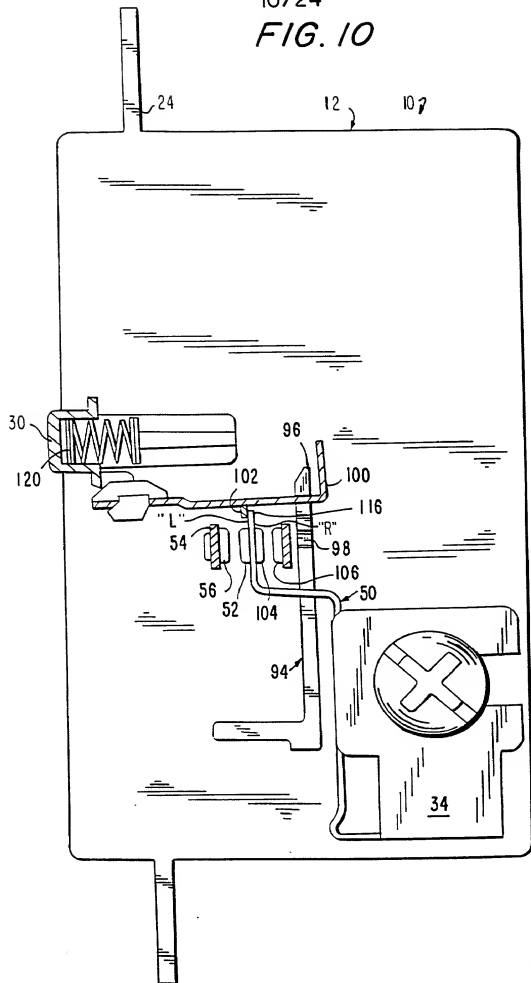


FIG. 11

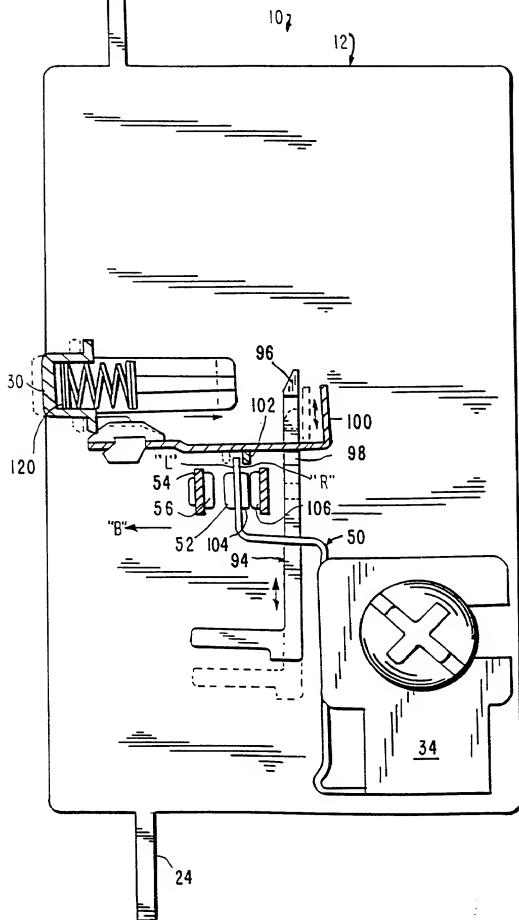


FIG. 12

The diagram illustrates a power supply system. A transformer (T) with primary windings L1 and L2 and secondary windings L3 and L4 is connected to a power source. The primary winding L1 is connected to a line (LINE) through a switch (K1) and a fuse (F1). The secondary winding L3 is connected to a bridge rectifier (D1, D2, D3, D4) through a resistor (R1). The rectifier output is connected to a filter capacitor (C1) and a load (LOAD) through a switch (K2). The secondary winding L4 is connected to a bridge rectifier (D5, D6, D7, D8) through a resistor (R2). The rectifier output is connected to a filter capacitor (C2) and a load (LOAD) through a switch (K3). The circuit also includes a control section with a microcontroller (IC-1) and various components (R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100). The control section is connected to the power supply through a switch (K4) and a fuse (F2). The circuit also includes a test point (TEST) and a reset button (RESET).

FIG. 13

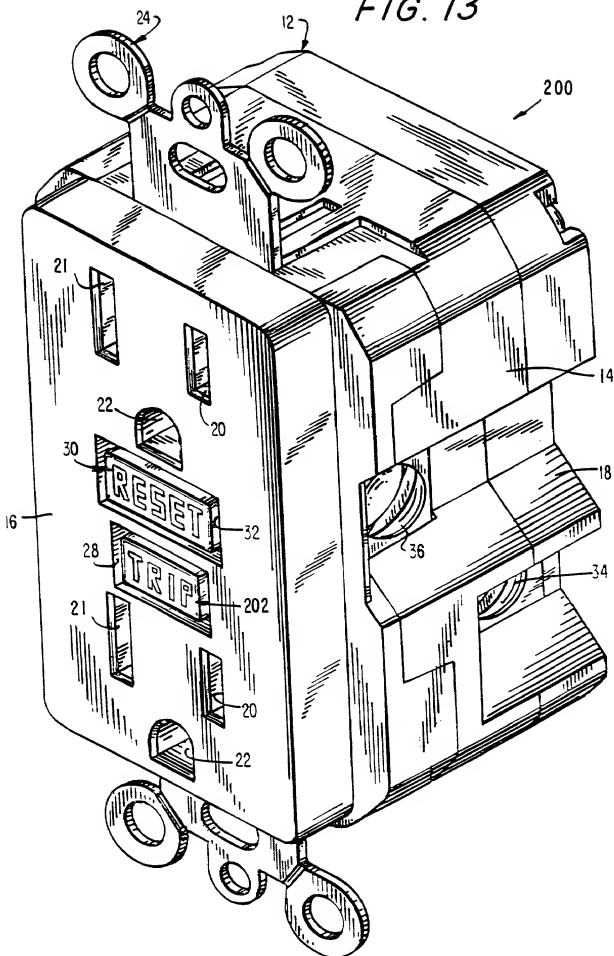


FIG. 14

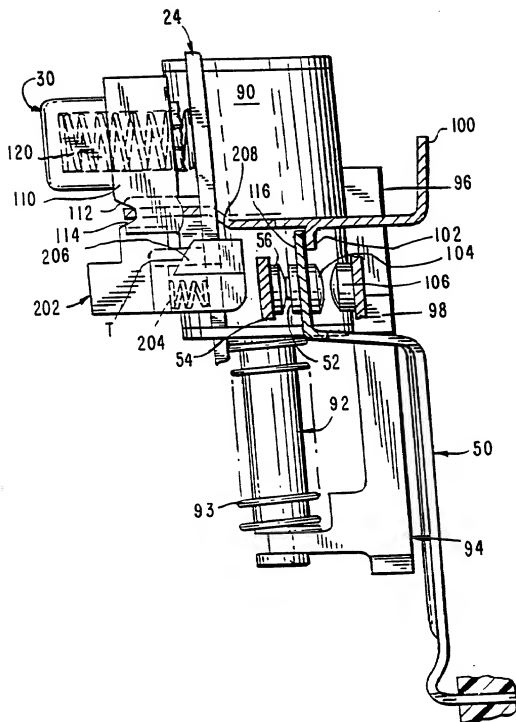


FIG. 15

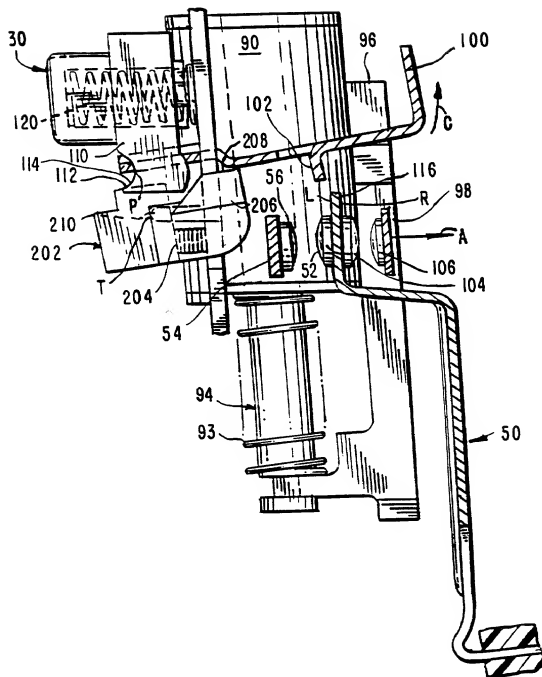


FIG. 16

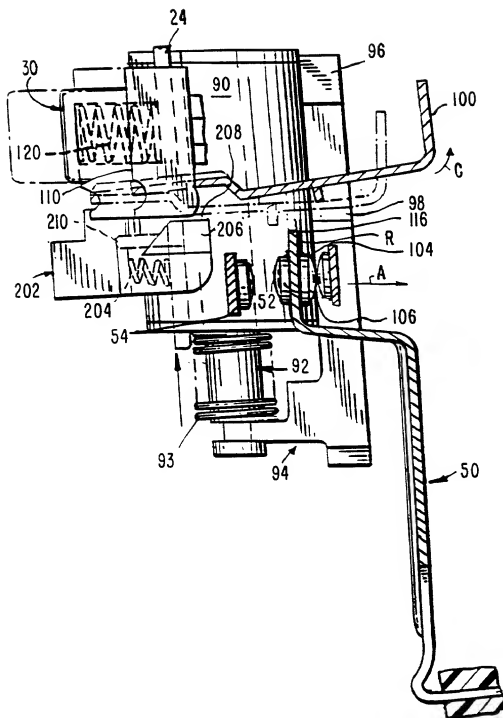


FIG. 17

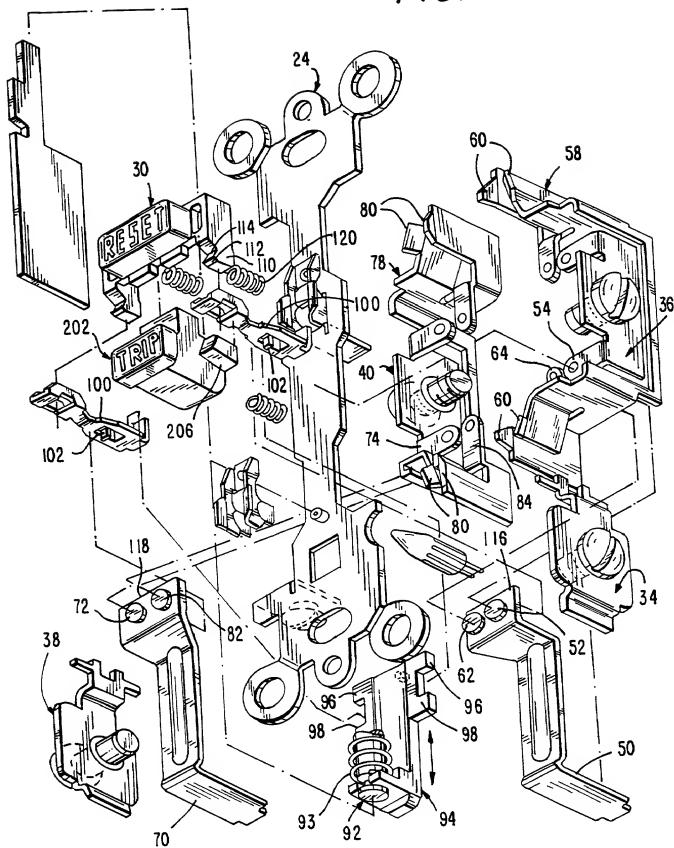


FIG. 18

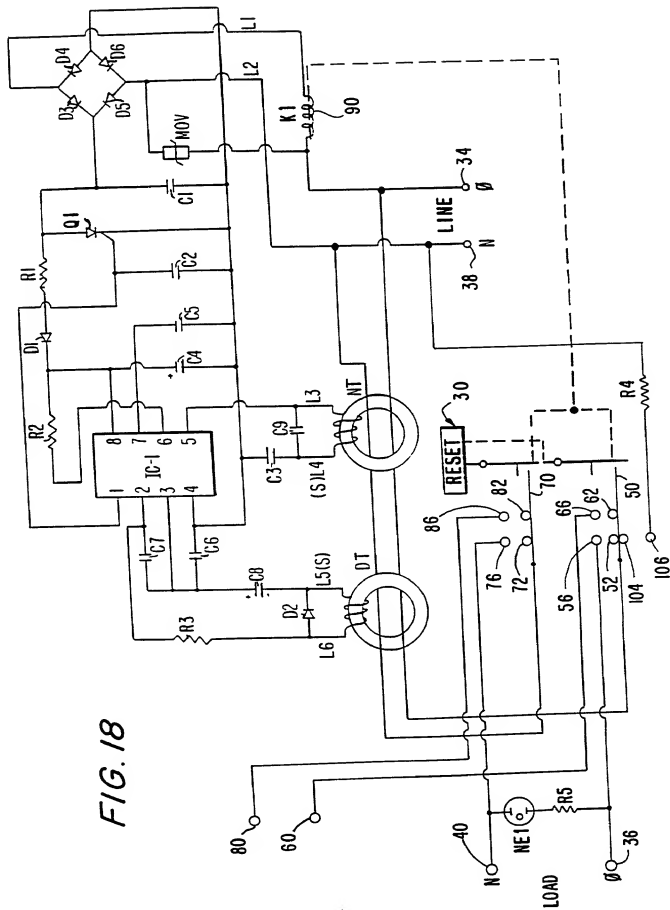
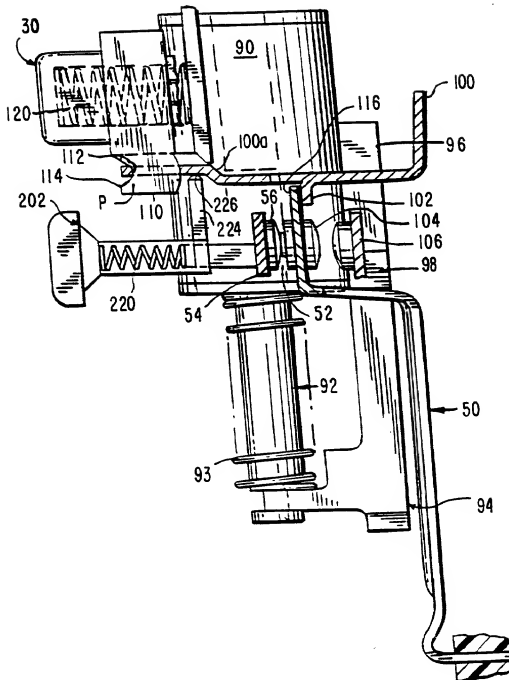


FIG. 19



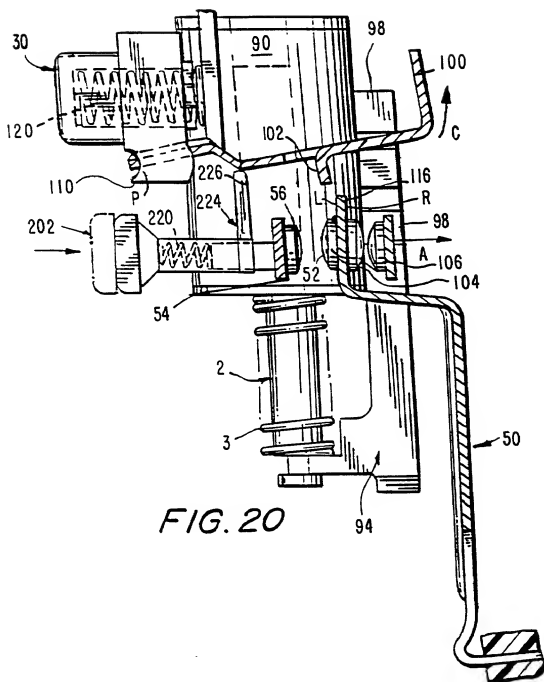


FIG. 21

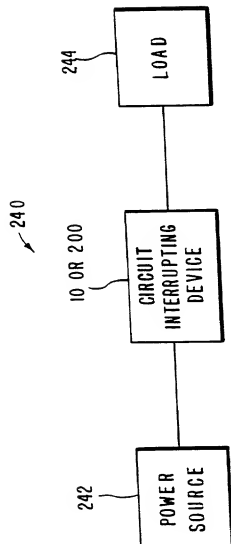


FIG. 22

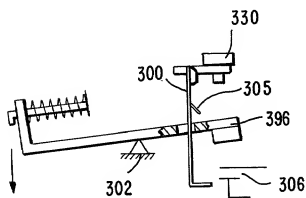
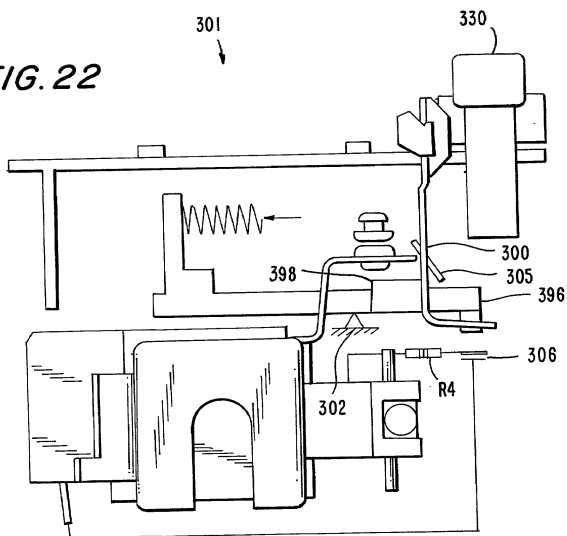


FIG. 23a

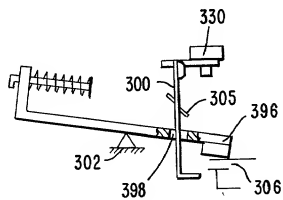
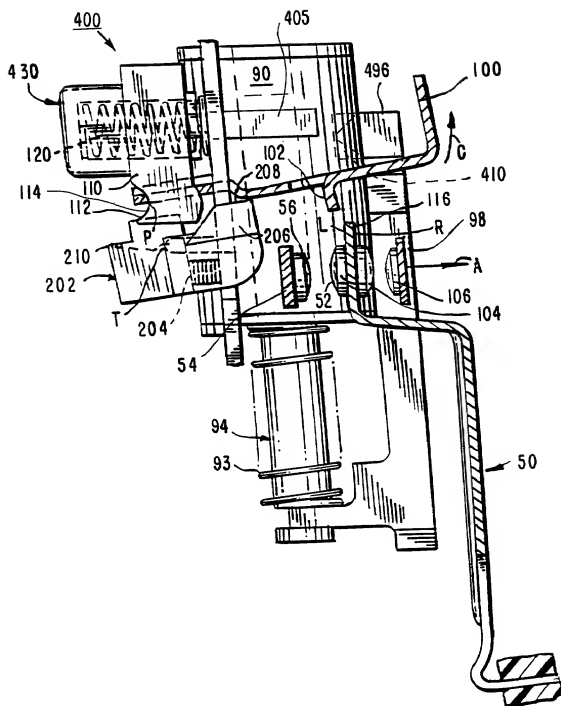


FIG. 23b



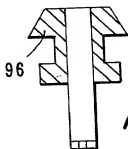
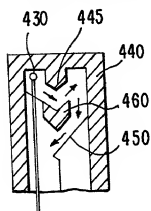
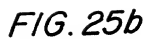


FIG. 26a

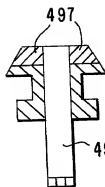


FIG. 26b

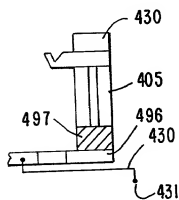


FIG. 27a

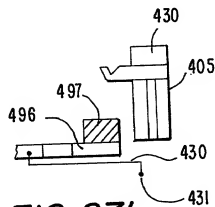


FIG. 27b